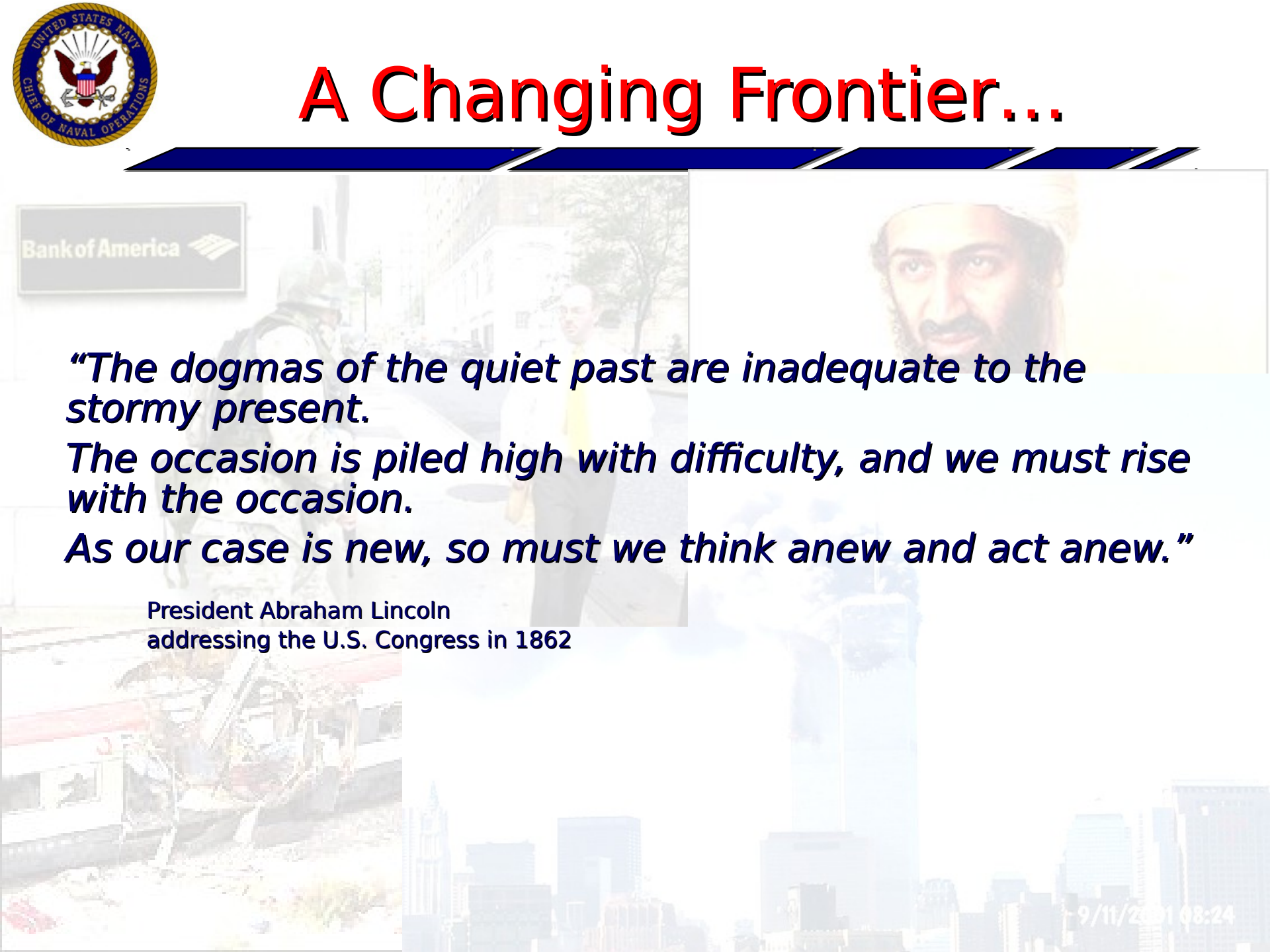
Sea Power 21

Projecting Decisive Joint Capabilities

A Changing Frontier…



"The dogmas of the quiet past are inadequate to the stormy present.

The occasion is piled high with difficulty, and we must rise with the occasion.

As our case is new, so must we think anew and act anew."

President Abraham Lincoln
addressing the U.S. Congress in 1862

… Requires a Different Approach

"The *mind-set of war* must change. It is a different type of battle. It's a *different type of battlefield*. It's a different type of war."

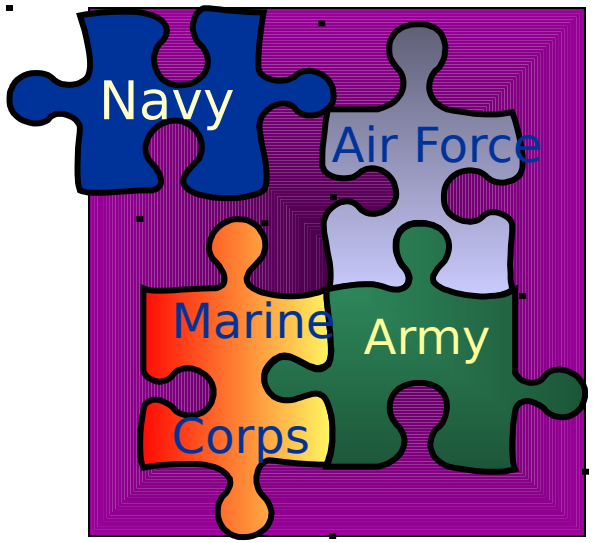
President George W. Bush
19 September 2001

"Preparing for the future will require us to *think differently* and develop the kinds of forces and capabilities that can *adapt quickly* to new challenges and to unexpected circumstances. An ability to adapt will be critical in a world where *surprise and uncertainty* are the defining characteristics of our new security environment."

Secretary of Defense Donald Rumsfeld
31 January 2002

The Navy Contribution

- Exploit the world's largest maneuver space – the sea.
- Create a unified battle space
- Prepare for future joint operations
  - Effects-based
  - Fully networked
  - Knowledge-centric

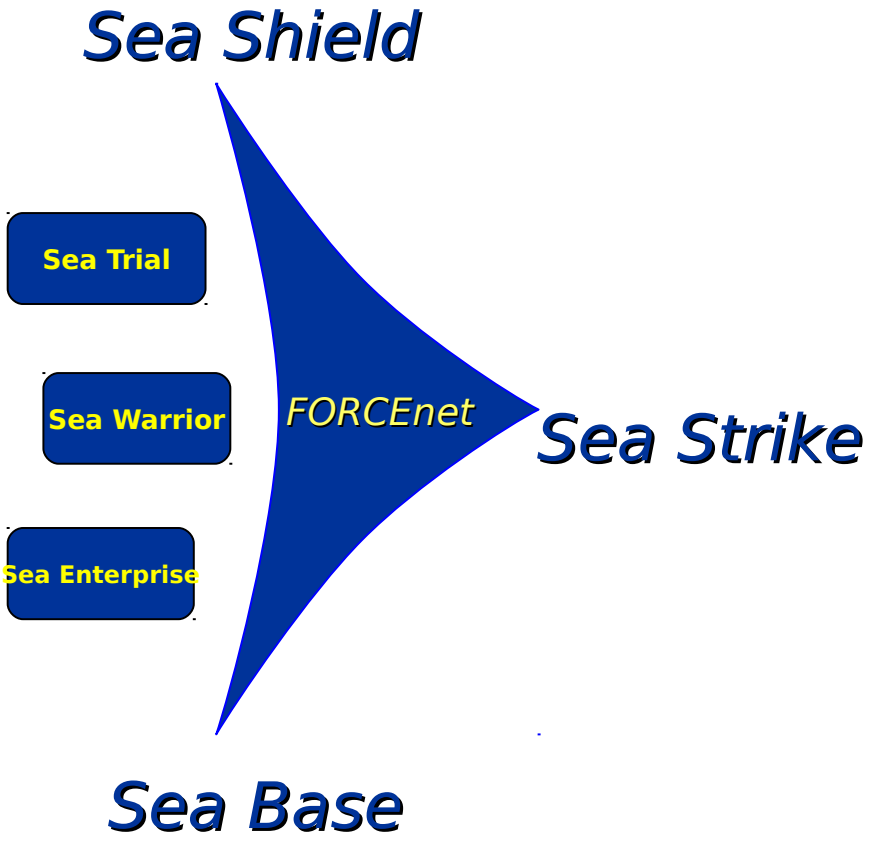


"We will deliver enhanced warfighting capability to the joint force, using the extended reach of naval weapons and sensors to reach farther and more precisely with striking power, to deliver broader defensive protection for joint forces ashore and to leverage our command of the largest maneuver space on earth: the sea"

- ADM Vern Clark
January 2004

Sea Power 21 Tenets

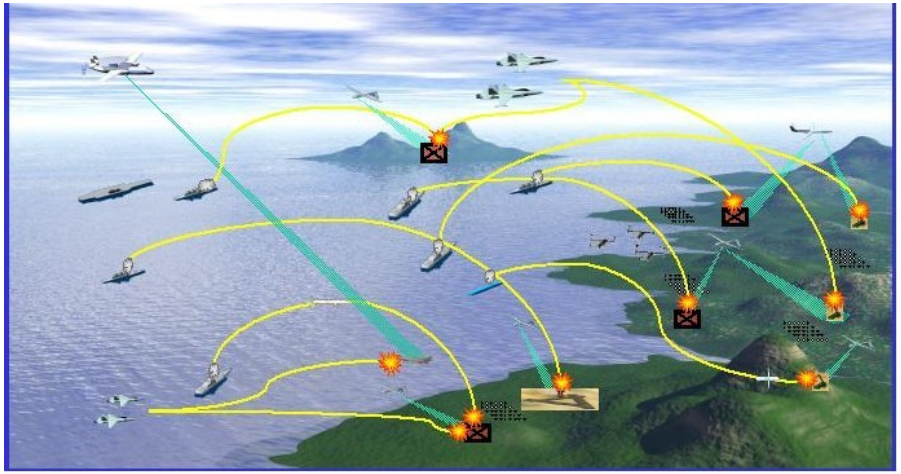
- Four key pillars
  - Sea Shield
  - Sea Strike
  - Sea Base
  - FORCEnet
- 3 enabling processes
  - Sea Trial
  - Sea Warrior
  - Sea Enterprise



A capabilities-based approach to development

Sea Strike

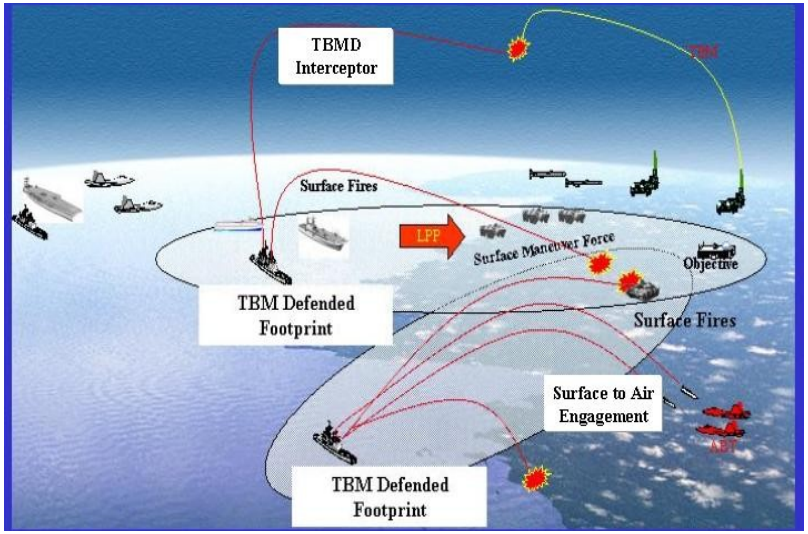
- Integrated power projection
- Long range, precision strike
- Information operations
- Scalable forcible entry capabilities



Responsive, precise striking power

Sea Shield

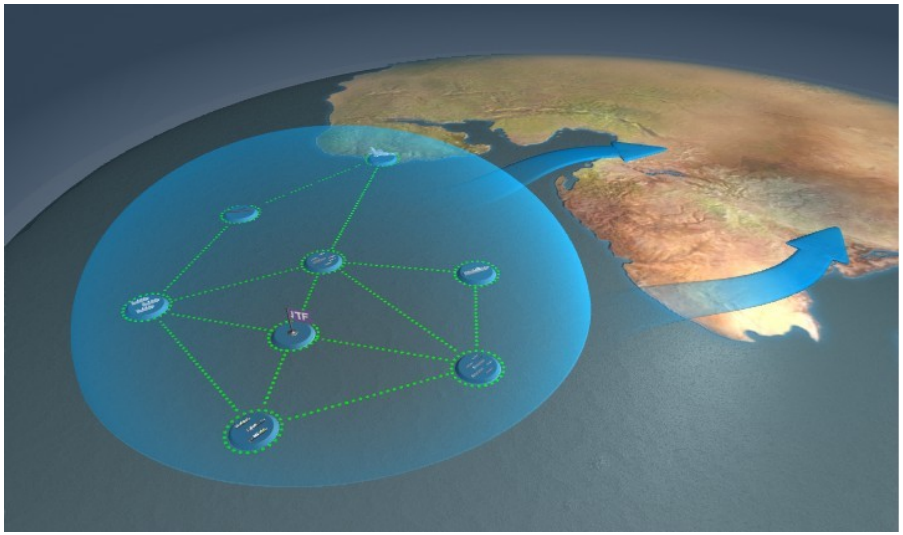
- Homeland defense …starting forward
- Theater air missile defense at sea & ashore – layered and global
- Assured access across the littoral



Projecting defense across the joint battle space

Sea Base

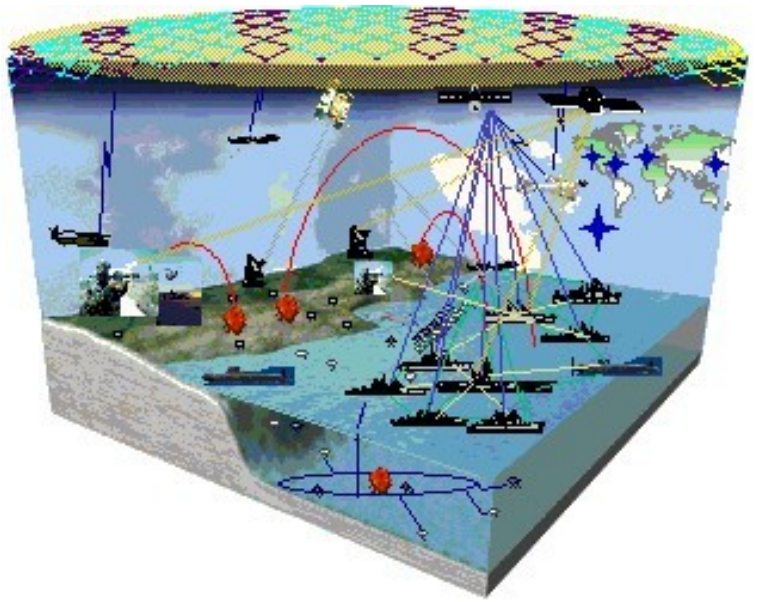
- Projecting offensive and defensive power ashore
- Focused, integrated joint logistics
- At-sea arrival and assembly
- Reconstitution at sea
- Afloat command and control for the JFC



Operational maneuver, persistence and independence

FORCEnet

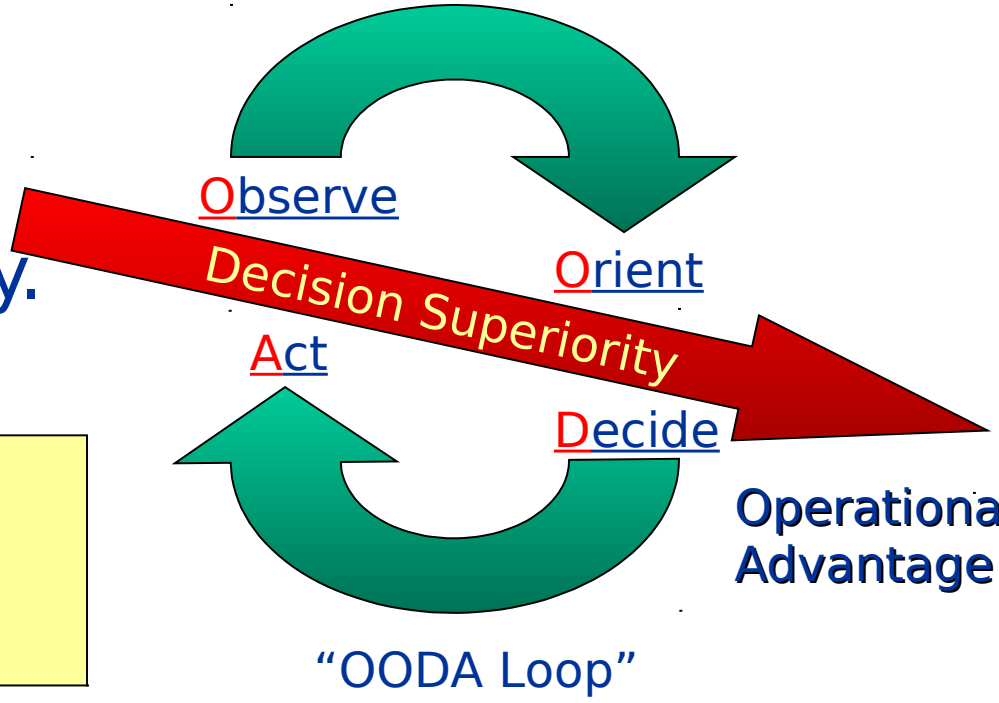
- Fully-networked operations with the joint force
- Shared situational awareness
- Distributed combat power
- Distributed collaborative planning
- Decision superiority



Turning information into joint combat power

Decision Superiority

Decision superiority goes beyond information superiority.



"The curse of the information age is information."

Decision superiority allows the Joint Force Commander to get "inside" the enemy's "OODA Loop" to increase the *pace, coherence* and *effectiveness* of operations

Representative Investments

Sea Base

Littoral Combat Ship

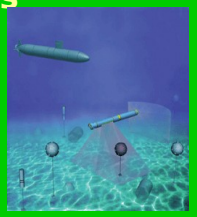
DD(X)

Maritime Preposition Force (Future)

Sea Shield

Armed Helicopters MH-60R/S

Multi-mission Maritime Aircraft (MMA)



Organic Mine Warfare Systems

Sea Strike

Advanced Gun System

Tactical Tomahawk

MV-22 Osprey

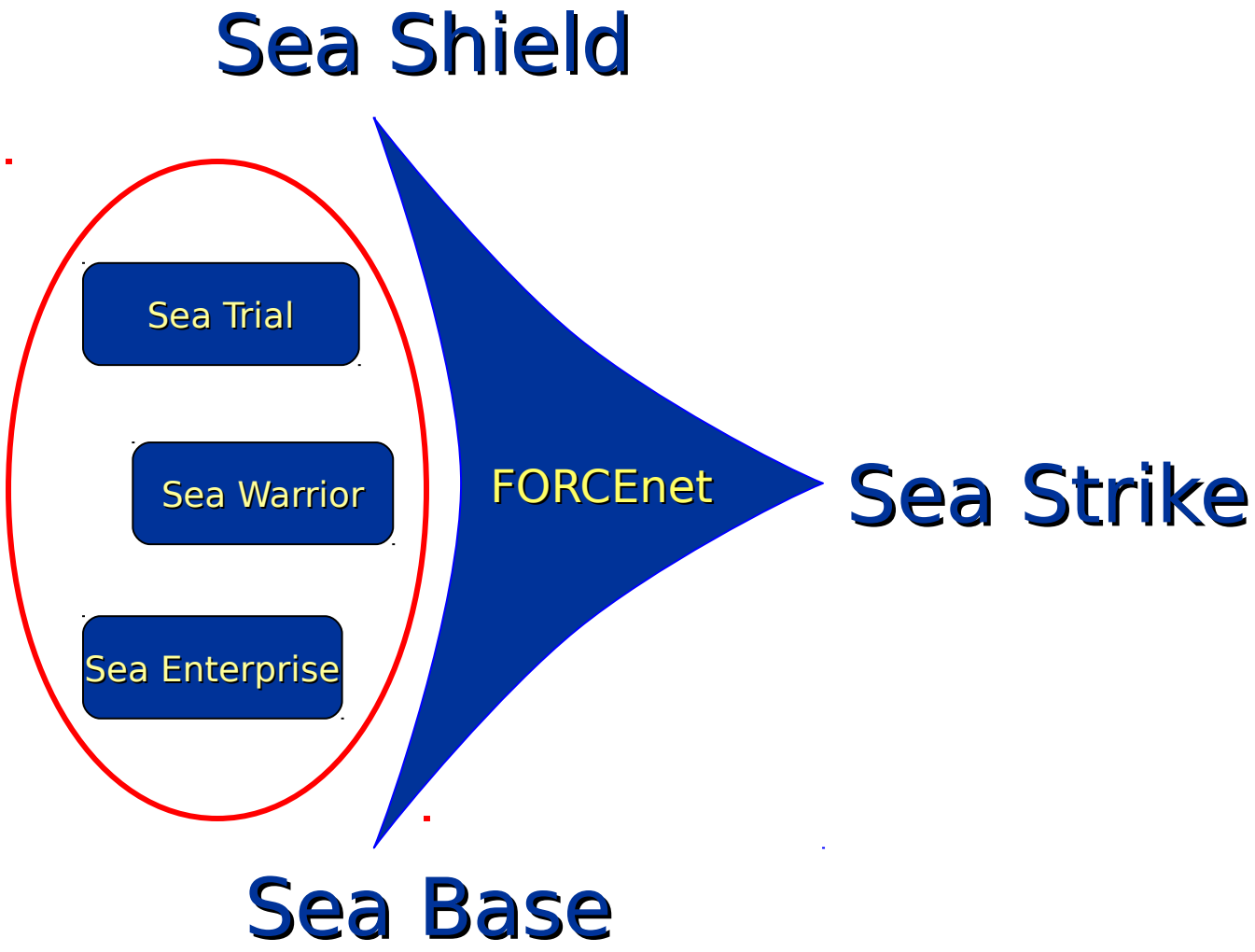
FORCEnet

Broad Area Maritime Surveillance (BAMS)

UCAV-N

Cooperative Engagement Capability CEC

Sea Power 21


Sea Shield
Sea Trial
Sea Warrior
Sea Enterprise
FORCEnet
Sea Strike
Sea Base

Enabling Processes

- **Sea Enterprise**
  - "Right cost, right force, right readiness"
  - Realize savings through process improvements, innovations and lessons learned

  Key concepts:
  - Change the culture/behavior
  - Change the structure/process
  - Harvest the savings

- **Sea Warrior**
  - Developing 21st century Sailors
  - Career-long training and education curriculum
  - Match critical skills and knowledge with mission accomplishment

  Key concepts:
  - Improving the Navy workforce
  - Revolution in training
  - Sailor Advocacy through Interactive Leadership (SAIL)

- **Sea Trial**
  - Continual process of innovation and development
  - Focused war games, experiments, and exercises
  - Accelerate delivery of enhanced capabilities to the Fleet

  Key concepts:
  - Fleet Battle Experiments
  - Limited Objective Experiments
  - Exercise design and analysis

Naval Operating Concept

- Operationalizes SP 21 and MC 21
- Describes how Navy and Marine Corps Team will play as part of larger joint team
- USN/USMC “committed to achieving an unprecedented level of integration…”
- Will inform training, experimentation, operational planning and employment

Naval Operating Concept For Joint Operations

Provides a foundation for expanded joint operations with all Services

Key Concept Paths

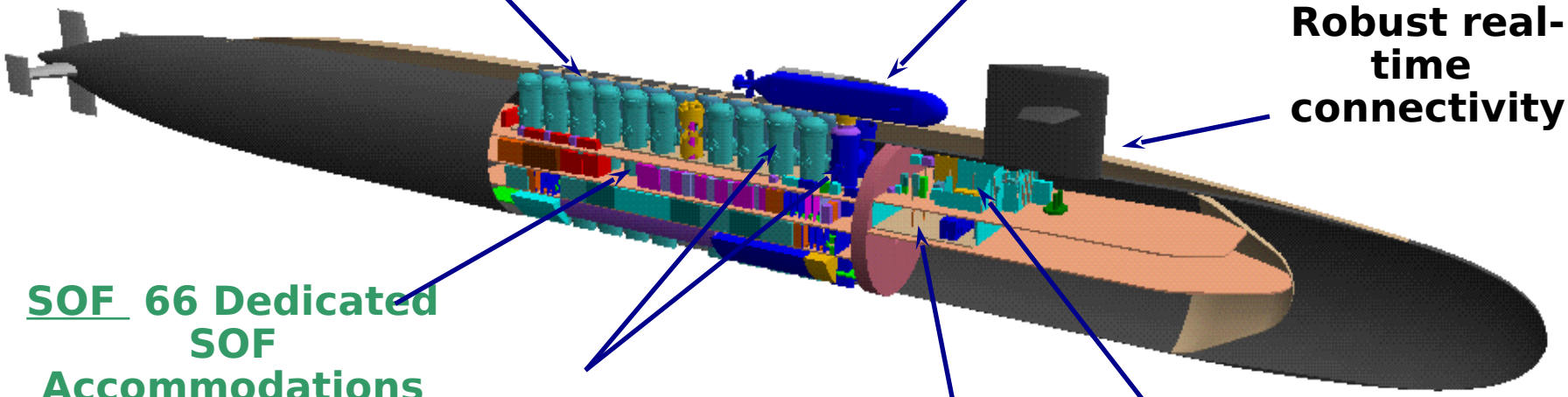
- Sea Basing
  - Overarching CONOPS including:
    - Force closure
    - Force architecture
    - Logistics
- Joint Forcible Entry Operations
  - Participation with Joint Staff, JFCOM, OSD
  - Enabling Ship-to-Objective Maneuver
- Undersea Warfare
  - Undersea Superiority Joint Integrating Concept
  - Mine Warfare
- Special Operations in the Littorals
- SSGN Operations

SSGN
Strike and Covert SOF Insertion

STRIKE Missile Tubes
House up to 154
TOMAHAWK Missiles

SOF Dual Drydeck
Shelter or
Advanced SEAL
Delivery System
Capability

Robust real-time connectivity



SOF 66 Dedicated
SOF
Accommodations

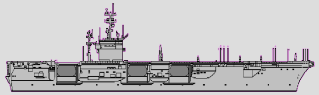
SOF 2 Lockout
Chambers and
8
Reconfigurable
SOF Stowage
Tubes

Tactical
Weapons
Fire Control
Systems

SOF Control
Room and
Mission
Planning Center

Enhanced Naval Force Availability

Carrier Strike Group



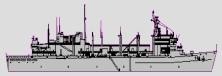
CVN(X)

CG

DDG

DDG

SSN



T-AOE(X)

Persistent Strike
Real-time ISRT
Missile Defense
Surface Fire Support
Special Operations
Maritime Interdiction
Littoral ASW
Mine Warfare
Forcible Entry

Expeditionary Strike Force

Maritime Prepositioning Group

Expeditionary Strike Group

LHA(R)

LPD

LSD

CG

DDG

DD//DD(X)

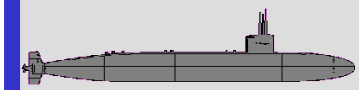
SSN

Missile Defense/ Surface Strike Action Groups

CG

2X DDG

Global Strike



SSGN/SSBN

Tailorable Naval Forces Ready to Provide Joint Effects

Fleet Response Plan

Employability = Surge Capable + Deployed

PAST

Flexible Deployment Concept

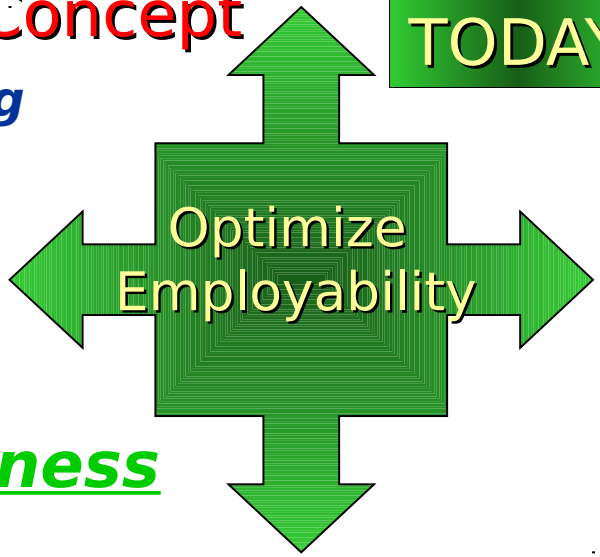
This is what is changing

Improvements in:

- Maintenance
- Training
- Scheduling
- Manning

Progressive Readiness

TODAY



"We must be ready to meet the long-term demands of this war and continue to provide the President with options. The Global War on Terrorism requires an agile, flexible, and most of all, a responsive

Notional FRP and FDC Cycle

Ready for rapid work-up (90 days) if required

Emergency Surge Ready: **3 months after maintenance**

Employable

Month of Cycle	1	2	3	4	5	6	7	8	9	10	11	12	13
CSG Employment		Maintenance (PIA/IMC)						Training Gain Proficiency (Peacetime)					
								Gain Proficiency (Surge)			Sustained Readiness		

Deep Maintenance

CSG CSG

CSG

CSG

(+2) CSG 8

(+1) CSG 7

End of maintenance cycle

Surge Ready: **Event-based dependent on operational & training requirements**

14	15	16	17	18	19	20	21	22	23	24	25	26	27
Employable											*Post Deployment*		

CSG 6 **CSG 5** **CSG 4** **CSG 3** **CSG 2**

Employable
Gaining Proficiency
Maintenance

Routine Deployable: **Ready for Independent Forward Deployment**

CSG 1 → FDNF CSG

Summer Pulse 04

- First exercise of the FRP operational construct to validate the capability to globally surge multiple CSGs
- ***Seven*** CSGs simultaneously deployed
- Conducting operations with U.S., allied, and coalition military forces in ***five*** theaters
- Demonstrates the ability to consistently deliver “6+2” forward deployed or ready-to-surge CSGs almost immediately

Persistent and massive combat power to any fight, anywhere, providing options for an immediate, credible response

Answering the Global Challenge

Over the last two years, a great coalition has come together to defeat terrorism and to oppose the spread of weapons of mass destruction-- the inseparable commitments of the war on terror. We've shown that proliferators can be discovered and can be stopped. We've shown that for regimes that choose defiance, there are serious consequences. The way ahead is not easy, but it is clear. We will proceed as if the lives of our citizens depend on our vigilance, because they do...

--President George W. Bush, 11 February 2004